## Claims:

- 1. A composite material with a composition gradient of calcium phosphate in a biodegradable polymeric material.
- 2. The composite material according to claim 1, wherein the biodegradable polymeric material is at least one member selected from among glycosaminoglycan, collagen, and a composite thereof.

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- 3. The composite material according to claim 1, wherein the biodegradable polymeric material is a crosslinked product of glycosaminoglycan and collagen.
- 4. A scaffold for cell differentiation and proliferation consisting of the composite material according to any of claims 1 to 3.
  - 5. The scaffold according to claim 4, which can effectively regenerate a hard/soft tissue interface.
- 6. An implant for hard/soft tissue filling comprising the composite material according to any of claims 1 to 3.
  - 7. The implant according to claim 6, which further comprises cells.
  - 8 A method for producing a composite material with a composition gradient of calcium phosphate in a biodegradable polymeric material by alternately soaking one side or part of the biodegradable polymeric material in a calcium ion-containing solution and the other side or part in a phosphate ion-containing solution.